

CLAIMS

What is claimed is:

1. A method, comprising the steps of:
 - 2 a) recording locations of pixels modified in a digital image by a digital image adjustment;
 - 4 b) recording original pixel data present in the locations before the digital image adjustment; and
 - 6 c) storing the locations and the original pixel data from the locations in an informational portion of a file comprising the adjusted digital image.
2. The method of claim 1, further comprising the steps of:
 - 2 a) retrieving, from the file, the adjusted digital image;
 - b) retrieving, from the file, the locations of pixels modified by the digital image adjustment;
 - 4 c) retrieving, from the file, the original pixel data present in the locations before the digital image adjustment; and
 - 6 d) placing the original pixel data into the locations in the adjusted digital image.
3. The method of claim 1, performed in a digital camera.
4. The method of claim 2, performed in a digital camera.
5. The method of claim 1, performed in a scanner system.
6. The method of claim 2, performed in a scanner system.
7. The method of claim 1, wherein the informational portion of the file is a comment segment of a JPEG file.
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- 2 8. The method of claim 1 wherein the informational portion of the file is tag data in a
TIFF file.
- 2 9. The method of claim 1 wherein the informational portion of the file is an APP
segment in a JPEG file.
- 2 10. The method of claim 2 wherein the two recording steps and the storing step are
performed in a digital camera, and wherein the three retrieving steps and the
placing step are performed in a device other than the digital camera.
- 2 11. The method of claim 10 wherein the device other than the digital camera is a
computer.
- 2 12. The method of claim 1, wherein fewer than all of the pixels in the digital image
have been modified by the digital image adjustment.
- 2 13. The method of claim 12, where fewer than 5 percent of the pixels in the digital
image have been modified by the digital image adjustment.
- 2 14. The method of claim 1, wherein the digital image adjustment is redeye removal.
- 2 15. The method of claim 1, wherein the digital image adjustment is the removal of
dispersed high-frequency content.
- 2 16. The method of claim 1, wherein the digital image adjustment is the removal of a
date/time imprint.
- 2 17. The method of claim 1, wherein the digital image adjustment is performed
automatically by a digital imaging system.

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18. A digital camera that performs the method of claim 1.

19. A digital camera that performs the method of claim 2.

20. A scanner system that performs the method of claim 1.

21. A scanner system that performs the method of claim 2.

22. A digital camera, comprising:

- 2 a) means for producing a digital image;
- b) memory that stores the digital image; and
- 4 c) logic that performs an adjustment on the digital image, the adjustment
modifying pixel data in the digital image;
- 6 and wherein the logic records the locations and original content of pixels
modified by the adjustment, and stores, in the memory, the locations and
- 8 original content in an informational portion of a digital image file comprising
the adjusted digital image.

23. The camera of claim 22 wherein the logic further retrieves the original content of

- 2 pixels modified by the adjustment from the informational portion of the digital
image file, and replaces the original pixel content into the corresponding locations
- 4 in the modified digital image, thereby restoring the digital image to its unadjusted
state.

24. The camera of claim 23, further comprising a user control that allows a user of the

- 2 digital camera to instigate the restoration of the digital image to its unadjusted
state.